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CLAIMS:

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- A fertilizer composition comprising malt extract or spent grain liquor as herein defined with the proviso that
 lime is not included in said composition.
 - 2. A fertilizer composition according to claim 1, wherein the malt extract or spent grain liquor comprises cations, free amino nitrogen, glucans, carbohydrates, sugars, amino acid peptides, and polyphenols.
 - 3. A fertilizer composition according to claim 1 or claim 2, wherein the malt extract or spent grain liquor is a byproduct of a brewing process.
- A fertilizer composition according to any one of claims
 to 3, wherein the malt extract or spent grain liquor is
 a by-product of beer brewing.
- 5. A fertilizer composition according to any one of claims 1 to 4, wherein the composition comprises both soluble and insoluble material.
- 6. A fertilizer composition according to claim 5, wherein the soluble material comprises one or more of simple sugars, free amino nitrogen, glucans, vitamins and calcines.
- 7. A fertilizer composition according to claim 6, wherein 30 the free amino nitrogen is protein.
 - 8. A fertilizer composition according to claim 5, wherein the insoluble material comprises proteins and/or carbohydrates.
 - 9. A fertilizer composition according to any one of claims 1 to 8, wherein the composition is either a liquid or a

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solid.

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- 10. A fertilizer composition according to claim 9, wherein the solid is a dry powder.
- 11. A fertilizer composition according to claim 9 or claim 10, further comprising one or more bacteria and/or yeast.
- 12. A fertilizer according to claim 11, wherein the

 10 bacteria are a mixture of organisms selected from the

 group consisting of Bacillus spp, Pseudomonas spp,

 Azotobacter spp, Nitrobacter spps, Azospirillium spp, and

 Derxia spp.
- 13. A fertilizer composition according to any one of claims 9 to 12, further comprising yeast extract and/or a yeast cell wall preparation.
- 14. A method of improving plant growth, comprising the
 20 step of applying to said plant an effective amount of a
 fertilizer composition according to any one of claims 1 to
 13.
- 15. A method of improving soil condition, comprising the step of applying to said soil an effective amount of a fertilizer composition according to any one of claims 1 to 13.
- 16. A method of preventing or inhibiting fungal growth,
 30 comprising the step of applying to soil or plants an
 effective amount of a fertilizer composition according to
 any one of claims 1 to 13.
- 17. A method according to any one of claims 14 to 16,
 35 wherein the composition is applied by spray or mechanical spreader.

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- 18. A method of manufacturing a fertilizer composition according to claim 1 comprising the step of extracting spent grain liquor or malt extract from a brewing process.
- 5 19. A method according to claim 18, further comprising the step drying said composition.

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